

Cache County Breakout Discussion Notes

December 2, 2011

MOBILE

Is lack of maintenance or tampering a problem with new vehicle technology?

Is NOX going to become an issue in the future in Cache Co?

Clarify left axis units on graphs (Glade's)

How many benefits do the strategies net relative to other basket strategies?

How do these strategies (I/M) translate into total PM 2.5 reductions?

Next step is to break this down into a tool for policy makers.

Should diesels be included in I/M?

Can no drive days net more percentage of total?

Why don't voluntary strategies get more credit?

Craig Peterson thinks there could be big benefit from no drive days in Cache.

How does the NOX attainment change over time?

Is there (in actuality) a dumping of dirty cars in Cache or areas without I/M?

What are the benefits from strategies not included (public education/outreach)?

Is cost to implement the strategies factored into the benefit?

Is I/M the strategy with most impact?

How is VMT chart determined?

Are actual vehicles in Cache County older than Glade's profile shows? (Student population factored in)

eMail Presentation & Slides

Who makes the decision about CARB/LEV? State Legislature.

Who makes LDAR? DAQ Board

Who makes I/M? County Commission

What percentage of vehicles are 96' or older on fleet chart?

Has the vehicle fleet change slowed down in recent years?

Is there an assumption on a change in power sources?

Is CNG conversion similar to or better than the benefit from cleaner technology?

Traffic flow needs to be addressed in addition to vehicle technology
North/South lights should be longer greens because of volume

Any consideration given to making one-way streets?

Credit given to modeled strategies is aggressive
More strategies like TCM are needed but not yet modeled

Can a program be designed to encourage getting rid of older cars?
What incentives and disincentives can be provided to encourage behavior change?

Use part of I/M fee to set up a repair assistance program

Is ignoring the check-engine light still a problem?

Is there a way to disseminate these tips to help educate the public and encourage behavior change?
Randy Martin had a successful program with high schools
Can tips be posted on UDOT signs?
Need more than "No Burn / Don't Drive"

Are assumptions built in to account for conversion to alternate fuels?
Will fuel costs drive fleet conversion?
What's the AQ benefit of conversion?
Question about whether MOVES model gives enough credit for alternate fuels?

How clean is CNG?
Burning in homes vs. vehicle technology
How does NOX come into play?
CNG vs. SULEV for AQ benefit

Heavy duty fleet CNG benefit vs. light duty

Will I/M be modeled just by itself?

Doesn't take into account the positive behavior change impacts from paying attention to maintenance

Some people will just dump the vehicle

For Cache – how much weight will be applied to area and mobile strategies?

No percentages are guaranteed

Voluntary reductions require on-going monitoring and reporting to get credit from EPA.

Formulation of fuel is something that the DAQ board could implement

Reformulated gas is expensive, not sure if feasible for all non-attainment areas.

Winter reformulation could negatively impact older vehicles

Credit from EPA would be .08 VOC

Huge emissions reductions but huge cost

I/M could provide additional benefit of encouraging personal awareness / accountability

I/M has more immediate benefits

Cost and logistic can make or break it

Exclusion for new cars

AREA

What part of problem is area?

Agriculture- biofiltration could be an effective strategy

- Ammonia and VOCs

- Effective on swine? (What's the inventory?)

- Who authorizes it?

- 20% assumption too high for C.U.?

Surface coatings- Paint/architect coatings

- Reduction of solvent in materials

Burn day rules not yet included in basket. What about similar red/yellow rules for coatings on these days?

Over the counter controls

Solvent controls- lower concentrations/temps, etc...

- Dry cleaning

Who inspects dry cleaning?

- Not in current rules

Restaurants- exhaust controls

- At least cost neutral

Restaurant controls

- Implement

 - All new construction

 - Mandatory

 - Business licensing

 - Incentives

- State level rule

 - Mandatory?

 - Incentive?

 - Licensing/Construction

 - Health inspection

Auto refinishing / fabric coating

- Need to know percentage of total inventory for each

Lowering de minimus standards for which items?

Expansion of existing, effective rules

- Tank degreasing

 - Vapor pressure

 - Concentration of solvent

 - Lids

 - Add-on controls

- How many in Cache?

- Need for micro-invent?

- Based on employment numbers

Who would be hurt the most by area controls in the basket?

- Have not done economic analysis yet.

- Political feasibility / Economics

Surface coating

- Retailers/distributors

- Direct Controls

Solvent Reduction

- Water solubility

- Organics

- Low vapor pressure

Required to sell only compliant materials

Wood burning- currently voluntary

- Not supposed to unless it is your primary source (red)

- Yellow day restrict on table?

- Trash burning restrict?

What percentage of wood burners are subsistence?

OTC

- Hairspray

- Nail polish

What can be done at county level?

Counties get back to us on what they have or don't have

Cache 75%-90%. Secondary 2.5 during inversion

POINT

Only one point source

Is point vs. area threshold going to be looked at?

Phased approach to evaluate smaller “point” sources that are below threshold

Domain includes all non attainment counties and into Idaho and Wyoming

Is the biggest bang from area?

Does DAQ have ability to reduce point/area threshold?

City and health already inspecting and could assist in detection of controls for smaller point/sources (restaurants, etc.) area

Could achieve greater degree of credit

Health department to inspect restaurants twice a year

Is basket domain wide?

What are we talking about when we discuss the actual vs. PTE/Allowable?

Was the comparison between 2008 PTE vs. 2008 actuals used to forecast 2014 and 2019 inventory?

Is there wiggle room with the EPA regarding PTE?

Is there a public awareness program to educate the public on costs and impacts of dirty air? Burden
Shouldn't only be put on big business

Newspaper

Billboards

Educate public that businesses are doing their part for air quality. It's not just cars.

What percentage of funding goes to education vs. enforcement

How many businesses would be included in point if threshold was lowered? To 75 tons?

Need acceptance from public on I/M programs

I/M program has to happen

Could we target specific VOC species in strategies?

Has the DAQ done another box chart?

Most uncomfortable with numbers present fro area strategy reductions